Index of Claims

Application No. Applicant(s) LIU, SHUANG Art Unit 10/663,090 Examiner

D. L. Jones 1616

| , | Rejected | _ | (Through nu<br>Cancelle |
|---|----------|---|-------------------------|
|   | Allowed  | ÷ | Restrict                |

| _ | (Through numeral)<br>Cancelled |  |
|---|--------------------------------|--|
| ÷ | Restricted                     |  |

| N | Non-Elected  |  |
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| ı | Interference |  |

| A | Appeal   |
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| Cla             | aim      | ſ  |          |          |        | Di     | ate    |           |           |           |        | CI   | aim      | T  |                  | Date             | · · · · · · · · · |                |                | Cla           | aim        |          |          |          | Date     |  |                 |          |          |
|-----------------|----------|----|----------|----------|--------|--------|--------|-----------|-----------|-----------|--------|--|----------|--|------------------|------------------|-------------------|----------------|----------------|---------------|------------|----------|----------|----------|----------|--|-----------------|----------|----------|
|                 | - G      | K  | T        | Ţ        | T      |        | Т      | $\neg$    |           | I         |        |  |          |  |                  |                  |                   |                |                |               |            |          | Τ        | Т        | Π        | Г  |                 | - "      | $\neg$   |
| Final           | Original | J  | 7        | 1        |        |        | 1      |           |           |           |        | Final  | Original |  |                  |                  |                   |                |                | Final         | Original   |          |          |          |          |  |                 |          |          |
| i i i           | ട്ര്     | 1  | +        |          |        | ı      | - }    |           | - 1       |           |        | 定  | ] j      | 1 [  |                  |                  | - 1 1             |                |                | Fi            | rig        |          |          |          |          |  |                 |          |          |
|                 |          | ľ  | ונ       |          |        |        |        | 1         | -         |           | 100    |  | 0        |  |                  |                  | l f               |                |                |               | 0          |          |          |          |          |  |                 |          |          |
|                 | 1        | 4  | -        | $\top$   | $\top$ | T      |        | 7         | T         |           | 7      |  | 51       |  | 11               | $\dashv \dashv$  |                   |                |                |               | 101        | $\vdash$ | ┪        | ┢        | <u> </u> | Н  | H               |          | $\dashv$ |
|                 | 2        | Ī  | T        | $\top$   | T      | T      | $\top$ | $\neg$    | ヿ         |           |        |  | 52       | $\Box$   | 1                | _                |                   | $\neg$         |                |               | 102        |          | 1        | <b>!</b> | 1        | $\vdash$   | Н               |          |          |
|                 | 3        | П  | T        | ┰        | ┰      | T      | $\top$ |           | T         |           |        |  | 53       |  |                  | $\dashv$         |                   |                |                |               | 103        | $\vdash$ | $\top$   | +        |          | $\vdash$   | $\vdash$        |          | $\dashv$ |
|                 | 4        | П  |          | Т        | 1      | 1      | T      | $\exists$ | $\neg$    |           | 7      |  | 54       | 177  | $\top$           |                  |                   |                |                |               | 104        |          | +        | -        | ┢        | <del>                                     </del> |                 | -        | ᅥ        |
|                 | 5        | П  | T        | T        | T      |        | $\neg$ | $\neg$    | 7         | $\exists$ |        |  | 55       |  | 11               | $\vdash$         |                   | +              |                |               | 105        |          | +        | $\vdash$ | -        | -  | -               |          | ᅱ        |
|                 | 6        | П  | 1        | Т        | Т      | 7      |        | T         | T         |           | 7      |  | 56       |  | +                |                  |                   |                |                |               | 106        |          | +-       | $\vdash$ | $\vdash$ | -  |                 | -        |          |
|                 | 7        | П  | Т        | 7        | 7      | T      | 7      | 寸         | $\neg$    |           |        |  | 57       |  | $\top$           | 1                |                   |                |                |               | 107        |          | +-       | $\vdash$ | t        | -  |                 | $\dashv$ | ᅱ        |
|                 | 8        | П  | Т        |          | Т      |        | $\neg$ |           |           | 丁         |        |  | 58       |  | 111              | $\top$           | 1-1               | $\top$         |                |               | 108        | $\neg$   | ╅        | t        | <b>†</b> | -  |                 | _        | $\dashv$ |
|                 | 9        | П  | T        | 1        | T      | T      | T      | T         | $\exists$ | ヿ         |        |  | 59       |  | $\top$           | 1                |                   |                |                |               | 109        |          | +        |          | t        |  |                 | _        | $\dashv$ |
|                 | 10       | П  | Т        | $\top$   | Т      | 1      | T      |           |           | ┪         |        |  | 60       |  | 1                |                  |                   |                | 1 441<br>1 441 |               | 110        |          | +        | $\vdash$ | $\vdash$ | -  | Н               |          | $\dashv$ |
|                 | 11       | IT | T        | 1        |        |        | T      | 7         |           | _         |        |  | 61       | $\Box$   | +                |                  |                   | _              |                |               | 111        | +        | +        |          |          |  |                 |          | -        |
|                 | 12       | I  | T        | T        | Τ      |        | $\top$ |           |           | $\neg$    |        |  | 62       |  |                  | $\top$           |                   |                |                |               | 112        | _        | ╁        |          | -        | _  | $\vdash$        | $\dashv$ | $\dashv$ |
|                 | 13       | IT | T        | $\top$   | ┰      | $\top$ | 7      | _         | 寸         | 7         |        |  | 63       |  | +                |                  | 11                | $\dashv$       |                | $\neg$        | 113        |          | +        | -        | $\vdash$ |  | -               | $\dashv$ | $\dashv$ |
|                 | 14       | П  | 1        | T        | 1      | 1      | T      | 1         | +         | $\dashv$  |        |  | 64       | $\vdash$   | +                | ++               |                   | -              |                |               | 114        | -        | +        |          | $\vdash$ | $\vdash$   | $\vdash$        | $\dashv$ | 닉        |
|                 | 15       | Π  | 1        | 1        | 十      | T      | $\top$ | 1         | $\neg$    | $\dashv$  | 78     |  | 65       |  | 1                | <del>     </del> | ++                | $\dashv$       |                |               | 115        | -        | +        | 1        | $\vdash$ | $\vdash$   | $\vdash \vdash$ | $\dashv$ | ᅱ        |
|                 | 16       | П  | 1        | $\top$   | $\top$ | T      | 7      | $\dashv$  | $\dashv$  | $\dashv$  |        |  | 66       | <del>                                     </del> | <del>     </del> | +                |                   | +              |                |               | 116        | +-       | +-       | $\vdash$ | Н        | -  | $\vdash$        | -        | $\dashv$ |
|                 | 17       | Ħ  | 1        | 1        | +      | $\top$ | 十      | 7         | 7         | 7         |        |  | 67       |  | † †              | ++               | +                 | +              | ŀ              |               | 117        |          | +        | -        | H        |  |                 | $\dashv$ | $\dashv$ |
|                 | 18       | П  | 1        | $\top$   | _      | +      | 7      | 7         | $\top$    | 1         |        | $\vdash$   | 68       |  | ++               | +-+              | +                 |                |                |               | 118        | -        | +        |          | Н        |  | $\vdash$        | $\dashv$ | $\dashv$ |
|                 | 19       | Н  | ╈        | $\top$   | +      | ╅      | +      | +         | 十         | $\dashv$  |        | <b></b>  | 69       | $\vdash$   | ++               | +                | <del>     </del>  | +              |                |               | 119        | +        | +        | H        | Н        | _  |                 |          |          |
|                 | 20       | Н  | +-       | †-       | $^{+}$ | +      | +      | 十         | 十         | -         |        |  | 70       |  | +                | ╅                | ++                | +              | in the         |               | 120        |          | +-       | H        | $\vdash$ | _  | -               |          | $\dashv$ |
| -               | 21       | Н  | +        | +        | +      | +      | +      | 十         | $\dashv$  | $\dashv$  |        | <u> </u>   | 71       |  | ╂═┼              | +-+              | ++                | +              |                |               | 121        |          | +        | Н        | H        |  | $\dashv$        | -+       | $\dashv$ |
|                 | 22       | Н  | ╁        | +        | +      | +      | +      | +         | $\dashv$  | $\dashv$  | -      |  | 72       |  | ++               | +                |                   | +              |                |               | 122        |          | +        | Н        | $\vdash$ | -  | -               | $\dashv$ | $\dashv$ |
|                 |          |    | 7        | +        | +      | +      | +      |           | $\dashv$  | -         | -      |  | 73       | ╁  | +                | +                |                   | $\dashv\dashv$ | H              | _             | 123        | _        | ╁        | Н        | -        | _  | -               | -+       |          |
|                 |          | ł  |          | +        | +      | +      |        | +         | +         | +         | -      | <del>                                     </del> | 74       |  | ++-              | ++               | +                 | +              | L              |               | 124        | +        | +        | -        | -1       | -  | +               | -        | $\dashv$ |
|                 | 25       | 1  | +-       | +        | +      | ╅      | +      | +         | +         | $\dashv$  |        |  | 75       |  | ╁╌┼╴             | +                |                   | +              | -              |               | 125        |          | ╁┈       | $\vdash$ | $\vdash$ |  | -               | $\dashv$ | $\dashv$ |
|                 | 26       | -  | +        | ✝        | +-     | ╅      | ╅      | $\dashv$  | +         | +         | r i    |  | 76       | $\vdash$   | +                | +                | <del>- - -</del>  | +              | - 1            |               | 126        |          | ╁        | -        | -        | $\dashv$   | -+              | $\dashv$ | -        |
|                 | 27       | Н  | †-       | ╁╴       | +-     | ╁      | ╅      | +         | +         | +         |        |  | 77       | $\vdash$   | ++               | ++               | ++                | $\dashv$       | - L            |               | 127        |          | +        |          |          | $\dashv$   |                 | -+       | _        |
|                 | 28       | -  | +        | +-       | ╁╌     | +      | +      | ╁         | ╅         | +         | -      |  | 78       |  | ++               | +-+              |                   |                | -              |               | 128        |          |          | $\dashv$ | $\dashv$ | $\dashv$   | -               | -        | _        |
|                 | 29       |    | +-       | +        | ╁      | +      | +      | +         | +         | +         | -10    |  | 79       | <del></del>                                      | ╂┷┼╌             |                  | <del></del>       | +              | -              |               | 129        |          | -        |          |          |  |                 | -        | 4        |
|                 | 30       |    | +        | +        | +      | ╁      | +-     | ┰         | $\dashv$  | +         | -      |  | 80       |  | +-+-             | ++               | ++                |                | -              |               | 129        |          | -        |          | $\dashv$ |  |                 | $\dashv$ | -1       |
|                 | 31       | _  | +        | +        | ╁╴     | +      | +      | +         | ╅         | -+        |        |  | 81       | $\vdash$   | ++               | ++               |                   | -H             |                | $\rightarrow$ | 130<br>131 |          | 1        | $\dashv$ | $\dashv$ |  | -4              | -        | 4        |
|                 | 32       |    | ╁╴       | +        | +-     | +      | +      | +         | ┰         | -+        | -      |  | 82       |  | +                | +                | +                 |                | 7              |               | 132        | -        | H        |          | -        |  | _               | -        | -        |
|                 | 33       |    | ╁╴       | +        | +-     | +      | +      | +         | +         | +         |        |  | 83       | -  | +-               | +                | +                 | +              |                |               | 132        |          | -        |          | _        |  | _               | -        |          |
|                 | 34       |    | +        | +        | +      | +      | 十      | +         | +         | +         |        | <u> </u>   | 84       | $\vdash \vdash$                                  | 1 -              | ++               |                   |                | H              |               | 133<br>134 |          | $\vdash$ | -        | -        |  | -               | +        | $\dashv$ |
|                 | 35       |    | †-       | +        | +      | +      | +      | +         | +         | +         |        | -  | 85       |  | ++               | +                | <del>- - -</del>  | +              |                |               | 135        |          | $\vdash$ |          | $\dashv$ |  | +               | $\dashv$ | $\dashv$ |
|                 | 36       |    | +        | t−       | †-     | +      | +      | +         | +         | +         |        |  | 86       | <del>   </del>                                   | ++               | +-+              | +                 | +              | -              |               | 136        |          | $\dashv$ |          |          |  | $\dashv$        | -        | 4        |
| $\vdash \dashv$ | 37       | _  | +-       | +        | +      | +      | +-     | $\dashv$  | +         | +         | -  111 |  | 87       | <del>   -</del>                                  | +-               | +-+              | <del></del>       |                | F              |               | 137        |          | $\vdash$ | $\dashv$ | -        | -  | $\dashv$        | $\dashv$ |          |
|                 | 38       |    | +        | †-       | +-     | +      | 十      | +         | +         |           |        | <del></del>                                      | 88       |  | +                | ++               | ++                |                |                |               | 13/        | +-       | ╁╌┤      | -        |          |  | $\dashv$        | -        | 4        |
| $\vdash$        | 39       |    | +-       | ╁        | †-     | +      | +      | +         | +         | +         |        | -  | 89       |  | ++-              | ++               | ++                | +              | -              |               | 138        | +        | $\vdash$ | $\dashv$ | <b>-</b> |  | -               | 4        | 4        |
| $\vdash$        | 40       |    | +        | $\vdash$ | +-     | +      | +-     | +         | +         | +         | -12    |  | 90       |  | ++               | +                | +-+               |                | H-             |               | 139        |          | $\vdash$ | _        | 4        | _  | +               |          | _        |
| $\vdash$        | 41       |    | +        | +-       | ╁      | +      | +      | ┰         | +         | +         | -44    |  | 91       |  | ╁╌┟╴             | +                | ++                | +              | <b>#</b>  -    | $\dashv$      | 140        | +        |          | 4        | _        | $\dashv$   | $\dashv$        | _        | 4        |
| <del>  </del>   | 42       | -  | ╁        | +-       | +      | +      | +      | +         | -         | - -       |        |  | 92       |  | +                | +                |                   | +              | -              |               | 141        |          | $\vdash$ |          |          | _  |                 | 4        | _        |
|                 | 43       |    | $\vdash$ | +        | +-     | ╁      | +      | +         | +         | +         | 35     | ·  | 93       |  | ++               | ++               |                   |                | T-             | -             | 142        |          | $\sqcup$ | _        | $\dashv$ |  | 4               | $\dashv$ | _        |
| <del></del>     | 44       | _  | +-       | ┼        | +      | ╁      | +      | +         | +         | +         | - 51   |  | 93       |  | ┼-├-             | +                | +                 |                | 67-            |               | 143        | -        | $\vdash$ |          | _        | _  | $\bot$          | 4        | _        |
| <del></del>     | 45       |    | ┨        | +-       | 1-     | ╁      | +      | +         | +         | +         |        |  | 95       | -  | ┼─┼-             |                  |                   | +              | l              | -+            | 144        | -        | $\sqcup$ | _        | _        |  | -               | 4        | _        |
| $\vdash$        | 46       | -  | $\vdash$ | $\vdash$ | +-     | ╁      | +-     | +         | +         | +         | -      |  |          |  | ++               | ++               | ++-               | 44             |                |               | 145        |          | $\sqcup$ | _        | _        | _  | $\perp$         |          | _        |
|                 | 47       | _  | -        | ⊢        | +-     | ╁      | +      |           | +         | +         | - 5    |  | 96       | -  | ++               | ++               | ++                | -              | -              | $-\downarrow$ | 146        | -        | $\sqcup$ |          | _        | $\perp$  | 4               | $\perp$  | _        |
|                 | 48       | -  | +-       | +-       | +-     | +      | +      | +         | +         | +         | -45    |  | 97       |  | $\vdash$         | ++               | ++                | 4              | #L             |               | 147        | -        | $\vdash$ | _        | 4        | $\dashv$   |                 | $\perp$  | _        |
|                 | 49       |    | ⊢        | ├        | +-     | ╀      | +      | +         | +         | +         | -      |  | 98       | +  | ++               | +-+-             | ++                | +              | -              |               | 148        | $\bot$   | $\sqcup$ |          | _        | $\perp$  | $\perp$         |          | _        |
| $\vdash$        | 50       |    | ├        | 1-       | +-     | ╀      | +      | +         | +         | +         |        |  | 99       | —  | $\vdash$         | ++               | ++                | +              | i L            | $-\downarrow$ | 149        | $\bot$   | Ш        | $\dashv$ |          | _  | $\perp$         | $\perp$  | Ц        |
|                 | 30       |    | Ц_       | <u></u>  |        |        |        | 丄         | L         | 丄         |        |  | 100      | L  | بلبل             | <u> </u>         |                   |                |                |               | 150        | $\perp$  |          |          |          | . 1  |                 |          |          |